

Title (en)  
Preparation of sulphonated polyketones.

Title (de)  
Herstellung von sulfonierten Polyketonen.

Title (fr)  
Préparation de polycétones sulphonées.

Publication  
**EP 0418081 B1 19951129 (EN)**

Application  
**EP 90310037 A 19900913**

Priority  
GB 8920798 A 19890914

Abstract (en)  
[origin: EP0418081A2] Sulphonated polyketones are prepared by reacting a linear alternating copolymer of carbon monoxide and one or more olefins (polyketone) with a sulphonating agent (eg chlorosulphoric acid) in a solvent (eg dichloromethane) at a temperature in the range -20 to +40 DEG C. A molar excess of sulphonating agent is preferably used. The sulphonated polyketone produced contains one or more types of unit of formula  $-\text{COC}(\text{R}_{<1>})_2\text{C}(\text{R}_{<2>})_2-$  wherein the  $\text{R}_{<1>}$  groups are independently H, C1 to C10 alkyl or  $\text{SO}_3\text{H}$  with the proviso that at least one  $\text{R}_{<1>}$  group is  $\text{SO}_3\text{H}$ .

IPC 1-7  
**C08G 67/02**

IPC 8 full level  
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